

SAFETY DATA SHEET

33S RANGE SILICONE SEALANT WITH FUNGICIDE

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 33S RANGE SILICONE SEALANT WITH FUNGICIDE
Product No. 33SMRC, 33SMRC52GL, 33SMRC5GL, 33ST, 33ST52GL, 33ST5GL, 33STW, 33STW52GL, 33STW5GL
 33SW, 33SW52GL, 33SW5GL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Sealant

1.3. Details of the supplier of the safety data sheet

Supplier: C.R.Laurence of Europe
 Charles Babbage Avenue
 Kingsway Business Park
 Rochdale
 OL16 4NW
 Local Tel: 01706 863600
 Freephone: 00 800 0421 6144
 Local Fax: 01706 869860
 Freefax: 00 800 0262 3299
 crl@crlaurence.co.uk

1.4. Emergency telephone number

+44 (0)1706 863 600
 Monday - Friday 08:00 - 17:00

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Carc. Cat. 3;R40. Xi;R36/38. N;R51/53.

Human Health

Irritating to eyes and skin. Carcinogen Category 3.

Environment

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Contains: CARBON BLACK

Labelling



Harmful



Dangerous for the environment

Risk Phrases

R36/38	Irritating to eyes and skin.
R40	Limited evidence of a carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37	Wear suitable protective clothing and gloves.

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S60
S61

This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALUMINIUM POWDER (STABILIZED)	0-1.0%
CAS-No.: 7429-90-5	EC No.: 231-072-3
Classification (EC 1272/2008) Flam. Sol. 1 - H228 Water-react. 2 - H261	Classification (67/548/EEC) F;R11,R15
CARBON BLACK	0-1.0%
CAS-No.: 1333-86-4	EC No.: 215-609-9
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40.
DIIDOMETHYL-p-TOLYSULFONE	< 1%
CAS-No.: 20018-09-1	EC No.: 243-468-3
Classification (EC 1272/2008) Acute Tox. 2 - H330 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) T;R23. Xi;R41. N;R50/53.
ETHYLTRIACETOXSILANE	1.0-5.0%
CAS-No.: 17689-77-9	EC No.: 241-677-4
Classification (EC 1272/2008) Skin Corr. 1B - H314	Classification (67/548/EEC) C;R34.
METHYLTRIACETOXSILANE	1.0-5.0%
CAS-No.: 4253-34-3	EC No.: 224-221-9
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Single 3 - H335	Classification (67/548/EEC) Xi;R36/37/38.
TITANIUM DIOXIDE	0-5.0%
CAS-No.: 13463-67-7	EC No.: 236-675-5
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

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The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

Skin Contact

Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention if irritation persists after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

Vapours may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Irritating to skin.

Eye Contact

Irritating and may cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂). Formaldehyde. Oxides of: Silicon.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

Not noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Keep run-off water out of sewers and water sources. Dike for water control. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Protective Measures In Fire

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

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6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide good ventilation. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ALUMINIUM POWDER (STABILIZED)	WEL		4 mg/m ³			
CARBON BLACK	WEL		3,5 mg/m ³		7 mg/m ³	
TITANIUM DIOXIDE	WEL		4 mg/m ³			

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Eye Protection

Wear approved safety goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Misc. colours
Relative Density	1.04

9.2. Other information

Volatile Organic Compound (VOC) < 39 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reaction with: Hydrofluoric acid. Alkalis.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Hydrofluoric acid.

10.6. Hazardous decomposition products

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Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂). Formaldehyde. Oxides of: Silicon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Vapour may irritate respiratory system or lungs.

Ingestion.

May cause discomfort if swallowed.

Skin Contact

Irritating to skin.

Eye Contact

Irritating to eyes.

Name	ALUMINIUM POWDER (STABILIZED)
Toxicological Information	No information available.
Name	METHYLTRIAACETOXSILANE
Toxic Dose 1 - LD 50	2060 mg/kg (oral rat)
Name	ETHYLTRIAACETOXSILANE
Toxicological Information	No information available.
Name	TITANIUM DIOXIDE
Toxic Dose 1 - LD 50	>10000 mg/kg (oral rat)
Toxic Conc. - LC 50	> 3.56 mg/l/4h (inh-rat)
Name	CARBON BLACK
Toxic Dose 1 - LD 50	<15400 mg/kg (oral rat)
Name	DIIDOMETHYL-p-TOLYSULFONE
Toxic Dose 1 - LD 50	> 5000 mg/kg (oral rat)
Toxic Conc. - LC 50	0.96 mg/l/4h (inh-rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability:

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

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Name ALUMINIUM POWDER (STABILIZED)

LC 50, 96 Hrs, Fish mg/l > 100

EC 50, 48 Hrs, Daphnia, mg/l > 100

IC 50, 72 Hrs, Algae, mg/l > 100

Name METHYLTRIACETOXSILANE

Ecotoxicity

No data on possible environmental effects have been found.

Name ETHYLTRIACETOXSILANE

Ecotoxicity

No data on possible environmental effects have been found.

Name TITANIUM DIOXIDE

LC 50, 96 Hrs, Fish mg/l 240 - 370

Name DIIDOMETHYL-p-TOLYSULFONE

LC 50, 96 Hrs, Fish mg/l 0.067

EC 50, 48 Hrs, Daphnia, mg/l 0.071 - 8.0

IC 50, 72 Hrs, Algae, mg/l 0.0428 - 0.102

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

14.2 UN Proper shipping name

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIIDOMETHYL-p-TOLYSULFONE)

14.3 Transport hazard class(es)

ADR/RID/ADN Class 9

ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.

ADR Label No. 9

IMDG Class 9

ICAO Class/Division 9

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

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14.6. Special precautions for user

EMS	F-A, S-F
Emergency Action Code	•3Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

This is first issue.

Revision Date 03-2011

Risk Phrases In Full

R34	Causes burns.
R15	Contact with water liberates extremely flammable gases.
R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
NC	Not classified.
R41	Risk of serious damage to eyes.
R23	Toxic by inhalation.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H330	Fatal if inhaled.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

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